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APPLICATION NO.			ington, D.C. 20231	. /		
AT LICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY		
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현대하기학, 기년 :	71a-4631		2019			
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

	Application No.	Applicant(a)
	Application No. 09/249,478	Applicant(s) SHARAN ET AL.
Office Action Summary	Examiner	Art Unit
	Lisa A Kilday	2813
The MAILING DATE of this communication appe Period for Reply	ars on the cover sheet with the co	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	of (a). In no event, however, may a reply be to within the statutory minimum of thirty (30) day all apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed rs will be considered timely. I the mailing date of this communication. ED (35 U.S.C. § 133).
1) Responsive to communication(s) filed on 27 L	December 2000	
2a) ☐ This action is FINAL . 2b) ☑ Thi	s action is non-final.	
3) Since this application is in condition for allowa closed in accordance with the practice under a		
Disposition of Claims		
4) Claim(s) 1-12,19-21,27 and 29-34 is/are pend	ing in the application.	
4a) Of the above claim(s) is/are withdraw	vn from consideration.	
5) Claim(s) is/are allowed.		
6) Claim(s) <u>1-12,19-21,27 and 29-34</u> is/are rejected	ed.	
7) Claim(s) is/are objected to.		
8) Claims are subject to restriction and/or	election requirement.	
Application Papers		
9) The specification is objected to by the Examine	er.	
10) The drawing(s) filed on is/are objected t	o by the Examiner.	
11) The proposed drawing correction filed on	_ is: a)□ approved b)□ disap	proved.
12) The oath or declaration is objected to by the Ex	xaminer.	
Priority under 35 U.S.C. \$ 119		
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. \$ 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documents	s have been received.	
2. Certified copies of the priority documents	s have been received in Applicat	tion No
3. Copies of the certified copies of the prior application from the International Bu	reau (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a list		
14) Acknowledgement is made of a claim for dome	esuc phorny under 35 U.S.C. § 1	19(e).
Attachment(s)		
15) ☑ Notice of References Cited (PTO-892) 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s)	19) Notice of Informa	ary (PTO-413) Paper No(s)

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 1-4, 27, 29, are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 3. The term "effective" in claim 1, 27, and 29 is a relative term which renders the claim indefinite. The term "effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. The term "effective" is vague and not well known in the art.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Omum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vógel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969)

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

- 4. Claims 1-12, 19-21, 27, 29-34 are rejected under the judicially created doctrine of double patenting over claims 1-28 of U. S. Patent No. 5,946,594 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.
- 5. The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows: a process of PECVD deposition of metal films such as gaseous TiCl₄ and a chemically inert reactive species gas within the reactor to deposit a titanium containing film on a semiconductor wafer.
- 6. Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

Allowable Subject Matter

- 7. The following is an examiner's statement of reasons for allowance: prior art does not teach or suggest a process for PECVD deposition by placing the chamber under vacuum pressure, combining a precursor deposition gas and a chemically inert reactive species producer gas, and generating a plasma from this gas in order to deposit a layer of metal on the substrate.
- 8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication from the examiner should be directed to Lisa Kilday whose telephone number is (703) 306-5728. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Bowers, can be reached on (703) 308-2417. The fax phone number for the group is (703) 305-3432.

LAK

02/02/01

Charles Bowlers
Such minery Page is Examinar

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	Notice of References Cited			Application No.	Applicant(s			
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* A copy of this reference is not being funished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)